

COUNTY BOROUGH OF WARRINGTON.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

ON THE

SANITARY CONDITION OF WARRINGTON
DURING THE YEAR 1942.

STUART F. ALLISON,
M.B., Ch.B., D.P.H.

Medical Officer of Health, School Medical Officer, Tuberculosis Officer,
and Medical Superintendent of Corporation Hospitals,
Sanatorium and Maternity Home.



WARRINGTON:
MACKIE & CO., LTD., THE GUARDIAN PRESS,

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County Borough of Warrington

1942.

HEALTH COMMITTEE.

Mayor:

ALDERMAN EDWARD MARSHALL, J.P.

Chairman:

ALDERMAN DAVID PLINSTON, J.P.

Deputy-Chairman:

ALDERMAN FRANK STRINGER, J.P.

(Deceased 23 4 42)

ALDERMAN	ERIC ADHURST, J.P.	COUNCILLOR	HARDMAN
"	ROBERTS	"	LONGSHAW
"	WHEEY, J.P.	"	MORRIS
COUNCILLOR	G. CALDWELL	"	SMITH
"	HALLINOR	"	TAYLOR
"	GRAY	"	WIGGINTON

Maternity and Child Welfare Committee.

All the members of the Health Committee, together with the following Co-opted Members:—

MRS. HAZELDINE.
(Deceased 23 6 42)
MISS CLARKE.
MRS. GUNSWORTH
MRS. GREENS

Blind Persons Act Sub-Committee.

All the members of the Health Committee, together with the following Co-opted Members:—

MR. REX FURNESS
" A. E. LEDGER
" J. McARTHUR
ALDERMAN MARSHALL
MR. WARBURTON.
" J. MYTTON.

Boarding Out Committee:

(Secn. 98 Public Assistance Order, 1930).

All the Members of the Maternity and Child Welfare Committee, together with Mrs. Starkey and Mrs. Williams.

Town Clerk:

W. E. E. LOCKLEY, Esq.

PUBLIC HEALTH STAFF.

Office Held	Name.	Qualifications.	Other Offices Held.
<i>(a) Medical.</i>			
Medical Officer of Health	Stuart F. Allison	M.B., Ch.B., D.P.H.	School Medical Officer, Tuberculosis Officer, Maternity and Child Welfare Officer, Medical Superintendent of Corporation Hospitals.
Asst. Medical Officer of Health	C. A. Paulusz	L.R.C.P., L.R.C.S. (Edin.), L.R.F.P.&S. (Glas.), L.M.R.C.P.I., D.P.H.	Assistant School Medical Officer
" "	Miss M. I. Porteous	M.B., Ch.B., D.P.H.	Assistant Maternity and Child Welfare Officer.
" "	J. A. Delmege, O.B.E.	M.R.C.S., L.R.C.P., D.P.H.	Assistant Tuberculosis Officer.
Male Resident Medical Officer (Borough General Hospital)	P. Brown	M.R.C.S., L.R.C.P. (Eng.)	
Resident Med. Officer	T. N. Pilsworth	L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.	
Resident Med. Officer	Miss M. Mackenzie	M.B., B.Ch.	
Venereal Diseases Officer	Ellis Pigott	M.B., Ch.B.	Part time.
School Dental Officer	Wm. C. Parr	L.D.S.	
" "	Miss I. M. Candon	L.D.S.	
Dental Officer (Borough General Hospital)	J. Ellis	L.D.S.	Part time.
Throat and Nose Surgeon	George E. Archer	M.B., Ch.B., F.R.C.S.	Part time.
Radiologist	John A. Ross	M.R.C.S., (Eng.)	Part time.
Ophthalmic Surgeon	O. M. Duthie	M.D., Ch.B.	Part time.
Orthopædic Surgeon	Harman Taylor	M.B., Ch.B.	Part time.
Public Vaccinator (1)	Dr. Sinclair	M.B., Ch.B.	Part time.
Public Vaccinator (2)	Dr. W. E. Bowden	M.B., Ch.B.	Part time.
Pathologist	Dr. Vincent Magee	M.D.	Part time.
Veterinary Surgeon (1)	H. H. Ferguson	M.R.C.V.S.	Part time.
Veterinary Surgeon (2)	C. T. Trevers	M.R.C.V.S.	Part time.
Public Analyst	J. G. Sherratt	B.Sc., F.I.C.	Analyst under the Fertilizer and Feeding Stuffs Act.
Sanitary Inspector	W. T. Flood (Chief)	Cert. of R. San. Inst.	Inspector of Food and Drugs. Inspector of Contagious Diseases of Animals. Inspector of Canal Boats. Inspector of Shops Acts. Inspector of Poisons and Pharmacy Acts.
" "	John Stevens	R.S.I. Certificate, Meat Inspector's Cert.	Inspector under Shops Acts.
" "	James Snailham	R.S.I. Certificate, Meat Inspector's Cert.	Housing Inspector. Special Tuberculosis Work.
" "	Ernest Barton	R.S.I. Certificate, Meat Inspector's Cert.	General District Work
" "	Wm. H. Molyneaux	R.S.I. Certificate and Meat Certificate.	General District Work

PUBLIC HEALTH STAFF—*continued.*

Office Held.	Name.	Qualifications.	Other Offices Held.
<i>(b) Others (continued).</i>			
Sanitary Inspector	Robert L. Winstanley....	R.S.I. Certificate and R.S.I. Meat Cert.	General District Work
" "	Bezley Trepess... ..	R.S.I. Certificate	General District Work
" "	William Hunt	R.S.I. Certificate, R.S.I. Meat Cert.	General District Work
Vaccination Officer	A. E. Price		Part time.
Matron of Isolation Hospital	Miss N. Roberts	General Trained, Fever Trained, State Registered T.B. Cert.	
Matron of Borough General Hospital	Miss C. M. Hannen	General Trained, C.M.B. Certificate, State Registered Nurse, F.B.C.N.	
Matron of Hefferston Grange, Sanatorium, Weaverham	Miss E. F. Yaxley ...	Tuberculosis and Fever Trained	
Maternity Home	Miss M. Morris	General Trained C.M.B. Cert.	
Steward, Borough General Hospital	A. F. Pidgeon,	A.C.C.S.	
Inspector of Midwives...	Miss Knott	C.M.B. Cert., R.S.I. Cert.	Also Health Visitor
Health Visitor ...	Miss Barlow	C.M.B. Cert., R.S.I. Cert.	-----
" "	Miss Sampson	General Training, C.M.B. Cert.	-----
" "	Miss Smith	General Training, C.M.B. Cert. and Health Visitor's Cert.	-----
" "	Miss Foden ...	General Training, C.M.B. Cert. and Health Visitor's Cert.	-----
Tuberculosis Nurse	Miss Pettie	R.S.I. Certificate	
School Nurse	Miss Griffith	General Certificate, Hygiene Cert. (Queen's)	
" "	Miss Wright	General Certificate Fever Trained	
" "	Miss Fletcher	General Certificate, S.R.N., Fever Nurse, S.R., C.M.B., Cert. R.M.P.A.	
School Nurses and Health Visitors {	Miss Coventry	General Cert. S.R.N., State Cert. Midwife, H.Vs. Cert. R.S.I. Children's Nurse Cert	
	Miss Coigan ...		
	Miss Bannister {		
Dental Attendant....	Miss Dean		
Clerks	Wm. Lawless		Chief Clerk.
"	Wm. Knowles		Accounts and Stores Clerk.
"	Miss V. Derryhouse....		Typist.
"	Miss M. Derryhouse...		Clerk (M. & C.W.)
"	Ernest Tarbuck		Clerk. (Forces)
"	Harold Plinton		" "
"	David Rustage ...		" "
"	W. T. Barton		" "
"	Miss M. Hughes		Junior Clerk.

*To the Chairman and members of the
Health Committee*

Gentlemen,

I have the honour to submit the Annual Report on the Health Services and Sanitary circumstances of the Borough for the year 1942. As in previous war years and in order to comply with the Ministry of Health Circular, it has been necessary to curtail the report so as to include essential matters only.

With regard to housing, no building of dwelling houses within the Borough has been permitted since 1939 except a small number (286) provided and tenanted by the Ministry of Supply. It had thus come about that at the end of the year there were more than 800 registered applicants for houses, and the vast majority of these were living in unsatisfactory and undesirable circumstances. The housing shortage has, therefore, become progressively more acute, and must continue to be so until a building programme of sufficient magnitude to alleviate overcrowding and replace unsatisfactory accommodation has been undertaken.

Nevertheless, I am pleased to be able to state that the vital statistics for 1942 show that Warrington still compares favourably with other similar towns (page 9) and that the health of the people has not deteriorated as a result of the conditions imposed by the War.

The total number of births was 1,397, giving a birth rate of 18.4, compared with 18.4 for the previous year. The total number of deaths was 1,082 giving a death rate of 11.9 as compared with 12.6 in 1941.

The infant mortality rate was 70 per 1,000 births, and the maternal death rate was 2.05 per 1,000 births.

Although expression has frequently been given to the opinion that there has been a considerable increase in the local population, the Registrar General's figures again show a reduction in the civilian population from 75,990 to 75,550.

The work in connection with Maternity and Child Welfare has proceeded with success. The attendances at the Consultation Centres were greater than ever. For this achievement much credit is due to the voluntary workers of the Mothers and Babies Welcomes who have continued to give their services with unabated enthusiasm; to Mrs. Langdale (the Hon. Secretary) and Miss Clarke (the Hon. Treasurer) I am especially grateful.

Four residential war-time nurseries were opened during the year with the object of caring for children, from early infancy up to five years of age, of mothers engaged on work of national importance. These nurseries have proved an unqualified success: they have released a large number of mothers in whose absence the young children have received constant and careful attention. The improvement shown in some of these children has been remarkable.

Previous to and since the establishment of these nurseries an alternative method of looking after young children was found in the "minder" system. In these cases, the child was looked after by a registered guardian at the home of the latter while the mother was at

work. At the end of the year 266 such guardians were on the register and they, under the supervision of the Health Visitors, were looking after 288 children.

In June, 1943, owing to the increased incidence of Scabies, two special clinics were opened for its treatment. By this means the double advantage of being able to assemble affected persons of the same household at the same time, and to provide the best treatment (with the most advanced technique) was gained. The establishment of these centres has been amply justified: 1,075 cases were treated during the period June to December, 1942.

Intensive efforts were made during the year to increase the number of children immunised against diphtheria; as a result 3,669 children were immunised compared with 1,758 in 1941 and 508 in 1940.

I wish to thank the staff in the Health Department and the various Corporation Hospitals for their very willing efforts to perform the increased duties that have fallen upon them, and to offer my sincere thanks to the Chairman and Members of the Health Committee for their constant support and consideration.

I am,

Your obedient Servant,

STUART F. ALLISON.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

SOCIAL CONDITIONS.—Warrington is mainly an industrial town in which a variety of manufactures is carried on, *e.g.*, wire, iron and steel, chemicals, soap, cotton, brewing, tanning, paper making, box making, etc.

INSURED PERSONS.

The number of insured persons in the Borough entitled to Medical Benefit on the 1st January, 1943, was 39,693, for which information I am indebted to Mr. Alfred Tilling (Clerk to the Warrington Insurance Committee).

TOTAL UNEMPLOYED.

Week ending.	Wholly Unemployed.	Men Temporarily Stopped	Total.	Wholly Unemployed	Women Temporarily Stopped	Total.	Grand total. Men & Women
22.7.40.	196	63	259	502	286	788	1,047
24.7.39.	1,648	360	2,008	470	247	717	2,725
25.7.38.	2,030	1,504	3,534	584	283	867	4,401
26.7.37.	1,950	988	2,938	423	206	629	3,567
27.7.36.	2,051	780	2,931	395	128	523	3,454

Figures for 1942 not published

VITAL STATISTICS.

Area	4532	acres
Population (Census 1931)	79322	
„ (R.G. 1942) (Civilian).....	75550	
Number of separate dwellings occupied (1931)	17341	
Number of families or separate occupiers (1931)	18474	
Rateable value (1st April, 1942).....	£417366	

	Total	M.	F.	
Live Births: { Legitimate	1313	657	656	} Birth Rate 18.49
{ Illegitimate....	84	44	40	
Still Births.....	62	Rate per 1000 total births		42.4
Deaths.....	902	Death Rate per 1000 population		11.9
Percentage of total deaths occurring in Public Institutions				52.8
Number of women dying in, or in } from sepsis				1
consequence of, childbirth } from other causes				2
Deaths of Infants under One year of age per 1000 live births				70
Legitimate	82;	Illegitimate	17.	Total
Deaths from Measles (All ages)				—
„ „ Whooping Cough (All ages)				5
„ „ Scarlet Fever				—
„ „ Diphtheria.....				3
„ „ Diarrhoea (under 2 years of age)				4

POPULATION.—The Registrar-General's estimate for the mid-year 1942, was 75,550 (compared with the 1931 Census figures of 79,322), and last year's estimate of 75,990.

**(Estimated Civilian Population)*

BIRTHS.—1697 births were notified to the Medical Officer of Health in compliance with the provisions of Section 203 of the Public Health Act, 1936.

238 of these births were to parents resident outside the Borough who had taken advantage of the facilities provided at one or other of the Warrington Maternity Homes.

The number of live births to be accredited to Warrington for the year 1942 was 1397 (701 males, 696 females) compared with 1401 live births in 1941 (732 males, 669 females).

The birth-rate for Warrington per 1,000 population was 18.4 in 1942, compared with 18.4 in 1941, and 15.8 for England and Wales as a whole.

The total number of illegitimate births was 84 (44 males, 40 females), compared with 97 births in 1941.

There were 62 still-births notified.

MARRIAGES.—There were 803 marriages during the year, the rate per 1,000 of population being 10.6. In 1941 there were 867 marriages, giving a rate of 11.4.

DEATHS.—1082 deaths were registered as occurring in the Borough during 1942. Of these, however, 238 were non-residents. During the same period, 58 deaths have been reported as having occurred outside the district of persons usually resident in Warrington. Adding these (58) and deducting the non-residents we have a total of 902 deaths accredited to Warrington for 1942, compared with 959 in 1941.

This gives us a death-rate of 11.9 per 1,000 civilian population during 1942, compared with 12.6 in 1941 and 13.9 in 1940..

The death-rate for England and Wales was 11.6; for the 126 County Boroughs and Great Towns 13.3; and for London 13.9.

Table comparing the Vital Statistics of Warrington with the average for the County Boroughs and for England and Wales as a whole.
(The Mortality rates for England and Wales refer to the whole population but for London and the towns to civilians only.)

	Rate per 1,000 Total Population		Annual Death-rate per 1,000 Population.								Rate per 1,000 Live Births.	
	Live Births.	Still-births.	All Causes.	Typhoid and Paratyphoid Fevers.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Diarrhoea and Enteritis (under two years).	Total Deaths under one year.
England and Wales	15.8	0.54	11.6	0.00	—	0.01	0.00	0.02	0.05	0.09	5.2	49
126 County Boroughs and Great Towns, including London	17.3	0.66	13.3	0.00	—	0.02	0.00	0.03	0.06	0.09	7.5	59
148 Smaller Towns (Estimated Populations, 25,000—50,000 at census 1931	18.4	0.62	12.1	0.00	—	0.01	0.01	0.02	0.04	0.10	4.8	46
London	14.0	0.48	13.9	0.01	—	0.01	0.00	0.04	0.02	0.07	8.6	60
Warrington	18.4	0.82	11.9	0.00	—	0.00	0.00	0.06	0.03	0.07	2.8	70

The maternal mortality rates for England and Wales are as follows :	per 1,000 Total Births	Puerperal Sepsis.	Others.	Total.
		0.42	1.59	2.01
County Borough of Warrington :	per 1,000 Total Births	0.68	1.37	2.05

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE COUNTY BOROUGH OF WARRINGTON.

CAUSES OF DEATH	Sex	All Ages	0—	1—5	5—15	15—45	45—65	65—
ALL CAUSES	M	471	48	8	5	50	141	219
	F	431	51	7	6	56	94	217
1 Typhoid and para- typhoid fevers	M	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...
2 Measles	M	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...
3 Scarlet fever	M	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...
4 Whooping Cough	M	1	...	1	...	...	...	...
	F	4	4	...	...	...	...	...
5 Diphtheria	M	2	...	2	...	...	...	...
	F	1	...	1	...	...	...	...
6 Influenza	M	4	...	...	...	...	3	1
	F	2	...	...	...	...	...	2
7 Encephalitis lethargica	M	2	...	...	...	2	...	...
	F	...	...	...	...	...	...	...
8 Cerebro-spinal fever	M	1	...	1	...	...	...	...
	F	2	1	...	...	...	...	1
9 Tuberculosis of respiratory system	M	28	...	...	...	11	13	4
	F	26	...	...	...	21	3	2
10 Other tuberculous diseases	M	2	...	1	...	...	1	...
	F	4	...	2	1	1	...	...
11 Syphilis	M	6	2	...	...	1	3	...
	F	1	1	...	...	...	...	...
12 General paralysis of the insane, tabes dorsalis	M	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...
13 Cancer, malignant disease	M	75	...	...	1	3	31	40
	F	77	...	...	1	10	34	32
14 Diabetes	M	3	...	...	...	...	1	2
	F	5	...	...	...	...	1	4
15 Cerebral hæmorrhage, etc.	M	34	...	...	...	1	9	24
	F	29	...	...	...	...	9	20
16 Heart disease	M	114	...	...	1	5	28	80
	F	109	...	...	1	7	26	75
17 Other circulatory diseases	M	15	...	...	...	...	3	12
	F	14	...	...	...	...	3	11
18 Bronchitis	M	41	2	...	...	3	15	21
	F	27	3	...	...	...	5	19
19 Pneumonia (all forms) ..	M	25	7	2	...	4	9	3
	F	12	4	2	1	...	2	3
20 Other respiratory diseases	M	12	...	1	...	4	4	3
	F	2	...	...	...	1	...	1
21 Peptic ulcer	M	4	...	...	...	1	1	2
	F	...	...	...	...	...	...	...
22 Diarrhœa, under 2 years	M	1	1	...	...	...	...	...
	F	3	3	...	...	...	...	...
23 Appendicitis	M	2	...	...	1	1	...	...
	F	...	...	...	...	...	...	...
24 Other digestive diseases	M	7	...	...	...	2	3	2
	F	6	...	1	...	1	1	3
25 Acute and chronic nephritis	M	11	...	...	...	...	5	6
	F	10	...	...	...	2	6	2
26 Puerperal sepsis	F	1	...	...	...	1	...	...
27 Other maternal causes	F	2	...	...	...	2	...	...
28 Congenital debility, premature birth, malformations, etc.	M	32	32	...	...	...	...	...
	F	33	33	...	...	...	...	...
29 Suicide	M	2	...	...	...	...	2	...
	F	2	...	...	...	...	1	1
30 Other violence	M	17	2	...	2	8	3	2
	F	17	...	...	...	2	...	15
31 All other causes	M	30	2	...	...	4	7	17
	F	42	2	1	2	8	3	26

INFANT DEATHS DURING THE YEAR 1942 (under 1 year)

11

	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 1 month	1—3 months	3—6 months	6—9 months	9—12 months	Total deaths under 1 year
Small Pox
Chicken Pox
Measles
Scarlet Fever	2	...	...	2	4
Whooping Cough
Diphtheria and Croup
Erysipelas
Tubercular Meningitis
Abdominal Tuberculosis
Other T.B. Diseases	2	...	...	1	3
Meningitis (not T.B.)	2	3	2	...	7	1	2	...	...	10
Convulsions
Laryngitis	1	...	1	1	1	1	1	5
Bronchitis	1	1	5	5	...	...	11
Pneumonia (all forms)	1	1	1	...	...
Diarrhoea
Enteritis	1	1	1	...	4
Gastritis	1	1	1	...	3
Syphilis
Rickets
Suffocation
Injury at birth (overlying)
Violence	2	2	...	...	4	1	...	...	...	5
Congenital Malformations	12	1	6	2	21	1	1	...	...	23
Premature Birth	2	4	2	3	11	5	6	5	...	27
Atrophy, Debility and Marasmus	2	2	...	...	4
Other causes
	18	10	11	6	45	22	19	8	5	99

MATERNITY AND CHILD WELFARE.

SUMMARY OF WORK CARRIED OUT DURING THE YEAR, 1942.

1697 births were notified to the Medical Officer of Health of children born in Warrington, to comply with the provisions of the Public Health Act of 1936 against 1590 in 1940 and 1685 in 1941.

1397 of the notified births were of living children born to persons resident in Warrington.

16342 visits were paid by the Health Visitors to the homes of children under 5 years of age, and nursing and expectant mothers.

132 Visits were made to the homes of Boarded-Out Children.

183 Visits were made to the homes of children Out to Nurse.

301 Visits were made to the homes of Illegitimate Children.

1675 mothers attended at the Ante-Natal Clinic and 142 at the Post-Natal Clinic at the Health Department.

5170 attendances were also paid at the Borough General Hospital Ante-Natal Clinic and Post-Natal Clinics.

* 1110 maternity cases were admitted during the year :—

Borough General Hospital	....	....	....	756
Maternity Home	....	....	....	354

742 maternity cases were attended in their own homes.

16631 attendances by expectant and other mothers were paid to the five Consultation Centres.

10223 attendances of Infants and 7270 attendances of children 1—5 years were made at the Consultation Centres.

3 Maternal deaths in 1942 (Puerperal Sepsis—1 ; Other causes 2) —in year 1941—4 deaths and in 1940—7 deaths.

99 deaths of infants (under 1 year) in 1942 (122 infant deaths, in 1941 and 108 infant deaths in 1940).

Infantile mortality rate per 1000 births 70 in 1942 (86 in 1941 and 65 in 1940).

15 deaths of children between ages 1 to 5 in 1942 (29 deaths in 1941 and 31 deaths in 1940).

240 children examined at the Consultation Centre by the Medical Officer were found to have defects requiring attention.

166 children under 5 years of age were treated at the Orthopaedic Clinic : 131 in 1941 ; 158 in 1940.

28 Ailing Babies were treated at Aikin Street Hospital during 1942.

553 children were successfully vaccinated during the year.

*This figure includes cases from other areas which were treated in our Hospitals.

ROAD DEATHS, 1941.

Fatalities on the highways of this country reach such a large total every year that the problem of prevention has necessarily become very prominent. The following are the figures relative to Warrington:—

	Warrington residents killed in Borough.	Warrington residents killed outside Borough.
Under 1 year	—	—
1 to 2 years	—	—
2 to 5 years	—	—
5 to 15 years	1	—
15 to 25 years	—	—
25 to 35 years	—	1
35 to 45 years	2	1
45 to 55 years	1	—
55 to 65 years	—	—
65 to 75 years	1	—
	<u>5</u>	<u>2</u>

SUMMARY OF BACTERIOLOGICAL WORK FOR THE YEAR, 1942.

1730 specimens were examined at the Health Department, Laboratory, Sankey Street (for various infectious diseases).

733 specimens of sputum submitted for examination in connection with tuberculosis cases.

40 Pathological specimens were examined at the following laboratories (Warrington Infirmary, Public Health Laboratory Liverpool, Liverpool University Laboratory, and the Public Health Laboratory, Manchester).

2842 Specimens were examined at the Pathological Laboratory, Borough General Hospital.

70 Bacteriological examinations of samples of Water, Milk and Foodstuffs at the Public Health Laboratory, Manchester.

DISTRICT MEDICAL SERVICES.

No. of patients attended :—

Period ending 31st March, 1942	494
30th June, 1942	404
30th September, 1942	459
31st December, 1942	454
Payment to doctors for service	£189 0s. 0d.
Payment to Chemists for dispensing	£375 16s. 7d.
Surgical Appliances	£22 4s. 6d.
Administrative Expenses—	
(a) Printing and Stationery	£2 4s. 0d.
(b) Payment to Pricing Bureau for pricing prescriptions	£8 17s. 1d.
Number of Doctors on Panel, 31st December, 1942	17

6.—HOSPITALS.

List of the Hospitals and number of beds provided and cases admitted during 1942 :—

	<i>Cases Admitted.</i>
(i) Warrington Infirmary (217 beds)	2556
(ii) Borough General Hospital (285 beds)	3839
(iii) Isolation Hospital (131 beds)	254
(iv) Hefferston Grange Sanatorium (80 beds)	164
(v) Maternity Home (20 beds)	354
(vi) Smallpox Hospital (22 beds)	Nil
(vii) Specialist Services (Described in 1932 Report).	
(viii) Whitecross Institution (Mental Cases)	119

OUT-PATIENT CLINICS. CASES TREATED DURING 1942.

	<i>Cases attended.</i>
Warrington Infirmary	18732
(Includes Orthopædic cases and Accident and Emergency Cases).	
Brorough General Hospital	12539
(Includes Orthopædic Cases, Ante-Natal and Post- Natal cases, Dental cases, Eye cases and persons attending at daily session for X-ray.)	
Ante-Natal Clinics :	
Number of attendances at the Health Office Clinic	} 1675
„ „ „ Maternity Home „	
„ „ „ Post Natal „	
142	
Tuberculosis Dispensary (attendances for examination, etc.)	2703
Venereal Disease Clinics	
Number of attendances for attention of the Medical Officer	5277
Number of attendances for intermediate treatment	6704

INFECTIOUS DISEASES.

The number of cases of notifiable infectious diseases and the deaths therefrom, together with the numbers treated at Aikin Street Hospital are given in the Appendix (page 18).

IMMUNISATION AGAINST DIPHTHERIA.

3669 children were immunised against diphtheria during the year 1942, compared with 1758 in 1941, and 508 in 1940.

There were altogether 110 deaths from notifiable diseases in 1942, compared with 153 in the previous year. The total number of visits paid by the Sanitary Inspectors to homes where cases of notifiable diseases had occurred was 7,766.

Notifiable diseases include the following :—Scarlet Fever, Diphtheria, Whooping Cough, Measles, Acute Pneumonia, Cerebral Spinal Fever, Acute Encephalitis Lethargica, Tuberculosis, Erysipelas, Acute Poliomyelitis, Ophthalmia Neonatorum, Typhoid Fever, Para-typhoid Fever, Smallpox.

VACCINATION.

553 children were successfully vaccinated during the year 1942 compared with 641 in 1941 and 699 in 1940.

CANCER.

85 cases were admitted to the Council's Hospitals during the year. None of these cases had received previous advice or treatment. The Medical Officer of Health made arrangements for the treatment of 10 cases at the Radium Institute, Liverpool.

VENEREAL DISEASES.

The Clinical Officer of the Treatment Centres, Dr. Ellis Pigott, reports that the cases dealt with in 1942 were as follows :—

The total persons attending Clinic :—

	1942	1941	1940
Syphilis	192	193	186
Soft Chancre	—	—	—
Gonorrhœa	366	353	413
Conditions other than Venereal	34	36	52
	<hr/> 592 <hr/>	<hr/> 582 <hr/>	<hr/> 651 <hr/>

The number of attendances for individual attention of the

Medical Officer	5277
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The number of attendances for intermediate treatment	6704
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GENERAL SANITARY WORK.

The visits paid by the Sanitary Inspectors during the year were as follows :—

To deal with property, nuisances, etc.	4852
To deal with cases of infectious disease	6660
To deal with cases of tuberculosis	1106

Out of a total number of nuisances found 1675 or 92.95% were abated.

The work under the Shops Act has been very varied, due to war conditions.

The shopkeepers for safety have closed their shops much earlier than the fixed closing hours.

FACTORIES.

234 visits were paid by the Sanitary Inspector to premises to ascertain that the provisions of the Factory Act, 1938, were being carried out from a health standpoint.

More female labour is being employed and consequently alteration in the factories have been taken in hand to comply with the Welfare Regulations of the Act.

HOUSING.

No houses have been built in this town since shortly after the commencement of the war.

The slum clearance programme was completed in 1939, 1,074 houses had been demolished and 4,498 displaced persons rehoused, mainly in houses erected by the local authority. We are still in need of a considerable number of houses to replace insanitary houses that ought to be demolished, and to enable us to abate overcrowding. The influx of persons into this town due to the erection of new factories and the extension of existing works has caused considerable overcrowding.

INSPECTION AND SUPERVISION OF FOOD. SUMMARY FOR YEAR 1942.

Milk Supply :—

145 Inspections were made of milkshops and shops where bottled milk is sold, and 40 visits paid to the one pasteurising plant within the town.

45 Inspections were made of 8 cowsheds within the town.

57 Samples of milk were submitted for Bacteriological Examination.

7 Samples of milk were found to contain Tubercle Bacilli, of these 6 samples were from cows kept on premises outside the borough and one from premises within this borough.

Meat Supply :—

928 visits were paid by the Sanitary Inspector to the 2 slaughter-houses in Warrington. (Ministry of Food Controlled from January 15th, 1940.) From the 1st November, 1942, only Orford Green slaughter-house has been in use.

102 visits were paid to Butchers' shops.

140 visits were paid to premises where Potted Meat, Sausages, &c., are prepared.

43 visits were paid to the three Tripe Boiler premises.

Condemned Food.—The following is a list of the food condemned at slaughter-houses, markets, wholesale and retailers premises, and in transit on the railways. The Ministry of Food require that no food considered unfit for human consumption shall be removed from the owner's premises unless it has been seen and a certificate issued by the Sanitary Officer of the Local Authority :—Beef Carcases, 439 cwts.; Beast Offal, 520 cwts.; Veal Carcases and Offal, $4\frac{1}{4}$ cwts.; Sheep Carcases and Offals, $10\frac{1}{4}$ cwts.; Pig Carcases and Offals, $18\frac{1}{2}$ cwts.; Imported Beef, Pork and Offal, $1\frac{1}{4}$ cwts.; Fish and Poultry, 15 cwts.; Tinned Meat, Meat Paste, Milk, Fruit, Vegetables and Fish, 745 tins; Porridge Meal, $2\frac{1}{4}$ cwts.

Food and Drugs Acts, 1938.

53 samples were submitted to the Public Analyst during the year 1942. The samples included 6 principal varieties of foods.

2 samples of Milk failed to satisfy the requirements of the Regulations, one was deficient in non-fatty solids only, and one deficient in fat. Further analytical investigations proved that the deficiency in one sample was due to natural causes. Further samples were taken from the producer's supply in the second case.

WELFARE OF THE DEAF AND DUMB.

There are 47 cases on the register of the Warrington and District Deaf and Dumb Society. The Institute for the Deaf is at 13, Wilson Patten Street.

There are 26 males and 21 females. 3 of the males are not employed, due to old age or defective sight. 11 of the females are employed at work outside their homes, and the remainder are carrying out home duties.

WELFARE OF THE BLIND.

Prevention of Blindness.

15 children attended the partially-sighted class at Evelyn Street School. The children are examined at least once each quarter by Dr. O. N. Duthie, eye specialist. The Warrington and District Society for the Blind co-operate with the Health Department in assisting persons with defective vision with a view to preventing total blindness. The difficulty is, however, that some of these children persist in reading ordinary type out of school hours and at home.

Certification of Blindness.

Number of persons on the register December 31st, 1942	181
„ „ „ admitted to the register during year	8
„ „ removals into the area during the year	3
„ „ „ out of the area during the year	2
„ „ deaths during the year	16
„ „ de-certified cases during the year.....	Nil
„ „ trainees	2
„ „ persons trainable but not in training	Nil
„ „ „ employed in local workshop	25
„ „ „ „ as home workers	4
„ „ „ „ elsewhere	15
„ „ „ unemployable	132
„ „ „ at school	3

NOTIFICATION OF INFECTIOUS DISEASES, 1942.

18

Disease.	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 & over	Total	No. of Cases Re- moved to hos- pital.
Scarlet Fever .....	...	1	9	11	23	116	30	8	5	1	2	...	206	130
Diphtheria	2	3	2	4	8	22	12	3	12	5	1	...	74	74
Measles	48	119	137	213	338	689	28	2	2	...	...	...	1576	12
Whooping Cough	17	23	33	39	50	131	5	1	1	...	...	...	300	6
Erysipelas	1	...	...	...	1	...	...	...	2	...	9	2	15	7
Puerperal Pyrexia .....	...	...	...	...	...	...	...	6	20	4	...	...	30	30
Polionmyelitis .....	...	...	...	...	...	...	1	...	...	...	...	...	1	1
Cerebro-Spinal Fever .....	...	...	1	1	...	...	1	...	2	...	...	...	5	5
Encephalitis Lethargica .....	...	...	...	...	...	...	...	...	1	...	...	...	1	1
Ophthalmia	3	...	...	...	...	...	...	...	...	...	...	...	3	1
Paratyphoid .....	...	...	...	...	...	...	...	1	...	...	...	...	1	1
Pneumonia	5	4	3	5	...	17	7	11	11	21	22	4	115	...
Pyæmia .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery .....	...	...	2	...	...	...	...	...	...	...	...	...	2	2
Enteric Fever .....	...	...	...	...	...	...	...	2	...	...	...	...	2	...
	Under 1 year	1-5 years	5-10 years	10-15 years	15-20 years	20-25 years	25-35 years	35-45 years	45-55 years	55-65 years	65 & over		Total	272
Tuberculosis Pulmonary	—	—	—	1	11	9	14	9	12	7	4	...	67	...
Tuberculosis Non-Pulmonary	—	6	5	3	1	2	3	1	3	—	1	...	25	...

